

# Product datasheet

Specifications



## I-Line circuit breaker, 1 Pole L3, 100A rating, 25kA, TMD trip unit adapted ComPacT NSX new generation

IL1001P253

### Main

Range	I-Line
Range of product	ComPacT NSX100...250 new generation
Device short name	NSX100B
Product or component type	Circuit breaker
Device application	Distribution
Number of poles	1P
[In] rated current	100 A at 40 °C
[Ue] rated operational voltage	277 V AC 50/60 Hz conforming to EN/IEC 60947-2 250 V DC conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	25 kA Icu at 220/240 V AC 50/60 Hz conforming to EN 60947-2
Performance level	N
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Control type	Toggle
Mounting location	I-Line

### Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to EN/IEC 60947-2
[Ics] rated service short-circuit breaking capacity	25 kA at 220/240 V AC 50/60 Hz conforming to EN/IEC 60947-2
Mechanical durability	20000 cycles
Electrical durability	20000 cycles at 277 V In 10000 cycles at 277 V In/2
Protection type	L : for overload protection (long time) I : for short-circuit protection (magnetic)
Long-time pick-up adjustment type Ir (thermal protection)	Fixed

<b>[Ir] long-time protection pick-up adjustment range</b>	1 In
<b>Long-time protection delay adjustment type tr</b>	Fixed
<b>Instantaneous protection pick-up adjustment type li</b>	Fixed
<b>[Ii] instantaneous protection pick-up adjustment range</b>	800 A
<b>Width (W)</b>	35 mm
<b>Height (H)</b>	161 mm
<b>Depth (D)</b>	86 mm
<b>Net weight</b>	0.7 kg
<b>Colour</b>	Grey

## Environment

<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-2
<b>Pollution degree</b>	3 conforming to IEC 60664-1
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-50...85 °C
<b>Relative humidity</b>	95 %
<b>Operating altitude</b>	0...2000 m without derating 2000 m...5000 m without derating

## Contractual warranty

<b>Warranty</b>	18 months
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